

Delock LTE / GSM / UMTS Antenna N jack 2 - 6,5 dBi 27 cm omnidirectional fixed pole mount white outdoor

Description

This antenna by Delock allows the usage of different LTE, GSM and UMTS bands inside and outside. It is completely compatible to Bluetooth, WLAN 2.4 GHz, ZigBee, DECT, Z-Wave and LoRa 868 MHz / 915 MHz.



Item no. 12491

EAN: 4043619124916

Country of origin: Taiwan,
Republic of China

Package: Poly bag

Technical details

- Connector: N jack
- Frequency range:
698 - 960 MHz
1710 - 2700 MHz
- ZigBee, Bluetooth, WLAN 2.4 GHz, DECT, Z-Wave, LoRa 868 MHz / 915 MHz
- Antenna gain: 2.0 - 6.5 dBi
- Impedance: 50 Ohm
- Transmitting power: max. 100 W
- VSWR: 2.0
- Operating temperature: -40 °C ~ 70 °C
- Cable category: coaxial
- Cable type: RG-174
- Cable length: ca. 30 cm
- Cable diameter: ca. 2.7 mm
- Cable colour: black
- Cable loss: ca. 1.5 dB @ 1.5 GHz per meter
- Body: GFK, UV protected
- Length: ca. 27.0 cm

- Diameter: ca. 2.2 cm
- Diameter N jack: ca. 1.66 cm

System requirements

- Device with free N plug

Package content

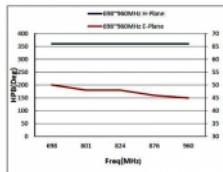
- LTE Antenna

Images



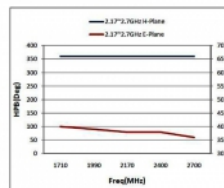
H-Plane	
MHz	HPBW(Deg)
695	360
800	360
960	360
Average: 360	

E-Plane	
MHz	HPBW(Deg)
695	50
800	48
960	45
Average: 47.7	



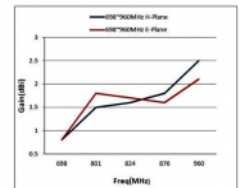
H-Plane	
MHz	HPBW(Deg)
1710	360
2170	360
2400	360
2700	360
Average: 360	

E-Plane	
MHz	HPBW(Deg)
1710	40
2170	38
2400	38
2700	36
Average: 38	



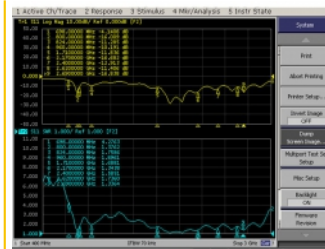
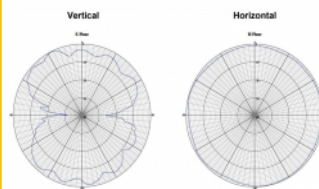
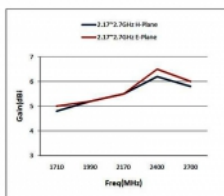
H-Plane	
MHz	dBi
695	0.8
800	1.5
960	2.5
Average: 1.6	

E-Plane	
MHz	dBi
695	0.8
800	1.8
960	2.1
Average: 1.57	



H-Plane	
MHz	dBi
1710	4.8
2170	5.5
2400	6.2
2700	5.8
Average: 5.58	

E-Plane	
MHz	dBi
1710	5
2170	5.5
2400	6.5
2700	6
Average: 5.75	



General

Mounting type:	pole
Protection category:	IP55
Suitable for indoor:	yes
Suitable for outdoor:	yes

Interface

connector:	1 x N female
------------	--------------

Technical characteristics

Frequency range:	1710 - 2700 MHz 698 MHz - 960 MHz
Antenna gain:	2 - 6.5 dBi
Beam width horizontal:	360°
Beam width vertical:	60°
Impedance:	50 Ω
Operating temperature:	-40 °C ~ 70 °C
Polarisation:	vertical
Power handling:	max. 100 W
VSWR:	2.0

Physical characteristics

Housing colour:	white
Housing material:	GFRP
Weight:	0.12 kg
Cable category:	coaxial cable
Cable type:	RG-174
Cable attenuation:	0.5 dB @ 800 MHz per meter

Cable colour:	black
Cable length incl. connector:	30 cm
Diameter:	2.25 cm
Length:	29.5 cm
Width:	21 cm
Height:	6.3 cm